

Title (en)  
Automatic transmission system with a transmission brake

Title (de)  
Automatisiertes Getriebesystem mit einer Getriebebremse

Title (fr)  
Système de transmission automatisée avec frein de transmission

Publication  
**EP 1439336 B1 20111123 (DE)**

Application  
**EP 04000815 A 20040116**

Priority  
GB 0301171 A 20030118

Abstract (en)  
[origin: EP1439336A2] The automatic transmission includes a control unit that controls the operation of the transmission brake (70). Braking torque is provided to the transmission when the motor torque is negative, vehicle speed is above a predetermined value, gear change downwards is demanded or is just being carried out and the service brake (52,54,56,58) is not in use. An Independent claim is also provided for a device for determining the moving direction of vehicle when driving the car from standstill.

IPC 8 full level  
**F16H 61/02** (2006.01); **F16H 61/21** (2006.01); **B60T 1/06** (2006.01); **B60W 10/10** (2012.01); **B60W 10/18** (2012.01); **B60W 30/18** (2012.01); **F16H 61/04** (2006.01); **F16H 61/22** (2006.01)

CPC (source: EP GB KR US)  
**B60T 1/06** (2013.01 - EP US); **B60W 10/11** (2013.01 - EP US); **B60W 10/18** (2013.01 - EP US); **B60W 30/00** (2013.01 - GB); **B60W 30/18109** (2013.01 - EP US); **B60W 30/18136** (2013.01 - EP US); **F16H 61/0202** (2013.01 - GB); **F16H 61/04** (2013.01 - EP US); **F16H 61/21** (2013.01 - EP US); **G06F 1/187** (2013.01 - KR); **F16H 61/22** (2013.01 - EP US); **F16H 2061/0425** (2013.01 - EP US); **F16H 2061/0496** (2013.01 - EP US); **F16H 2312/04** (2013.01 - EP US)

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DOCDB simple family (publication)  
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